Fujitsu recommends Windows 8 Pro.

# Data Sheet
# Fujitsu ESPRIMO E410 E85+ Desktop PC

## Your Immediately Deliverable Office PC

The Fujitsu ESPRIMO E410 small form factor PC delivers high-quality computing for your office applications and projects. You can choose cost-optimized fixed configurations for immediate delivery. Alternatively, you can use configuration options to meet your specific hardware needs. With its new design it fits perfect into the modern office. ENERGY STAR® compatibility ensures a low energy bill.

**High performance and best price/performance ratio**
Cost-effective system for price-conscious customers
- 3rd generation Intel® Core™ i3, Core™ i5, and Core™ i7 processors

**Flexibility**
Freedom of choice with tailored systems, perfect fit for specific requirements
- Flexible logistic concept - optional customizing program

**Reliability**
High-quality and functional stability
- Development and production in Europe

**Lifecycle**
Hardware continuity for long-term projects
- Managed lifecycle up to 12 months

**Meets ENERGY STAR® requirements**
Low power consumption and low costs, without any loss in performance
- Power supply with 85% efficiency

Fujitsu recommends Windows 8 Pro.

# Components

| | |
|---|---|
| **Processor** | Intel® Core™ i7-3770 processor (4 Cores / 8 Threads, 3.40 GHz, up to 3.9 GHz, 8 MB, Intel® HD Graphics 4000) * |
| | Intel® Core™ i5-3470 processor (4 Cores / 4 Threads, 3.20 GHz, up to 3.6 GHz, 6 MB, Intel® HD Graphics 2500) * |
| | Intel® Core™ i5-3340 processor (4 Cores / 4 Threads, 3.10 GHz, up to 3.3 GHz, 6 MB, Intel® HD Graphics 2500) |
| | Intel® Core™ i3-3220 processor (2 Cores / 4 Threads, 3.30 GHz, 3 MB, Intel® HD Graphics 2500) |
| | Intel® Pentium® processor G2120 (2 Cores / 2 Threads, 3.10 GHz, 3 MB, Intel® HD Graphics) |
| | Intel® Pentium® processor G2030 (2 Cores / 2 Threads, 3.00 GHz, 3 MB, Intel® HD Graphics) |
| | Intel® Celeron® processor G1610 (2 Cores / 2 Threads, 2.60 GHz, 2 MB, Intel® HD Graphics) |
| | *with Intel® Turbo Boost Technology (clock speed and performance will vary depending on workload and other variables) |
| **Operating systems** | |
| **Operating system** | Windows 8 Pro<br>Windows 8<br>Windows 7 Professional 64-bit<br>Windows 7 Professional 32-bit |
| **Operating system compatible** | openSUSE Linux<br>Windows® XP |
| **Operating system notes** | Limited Windows® XP support. Microsoft discontinued Windows® XP certification on system level, basic drivers via http://support.ts.fujitsu.com |
| **Memory modules** | 2 GB (1 module(s) 2 GB) DDR3, unbuffered, non-ECC, 1,600 MHz, PC3-12800, DIMM |
| | 4 GB (1 module(s) 4 GB) DDR3, unbuffered, non-ECC, 1,600 MHz, PC3-12800, DIMM |
| | 8 GB (1 module(s) 8 GB) DDR3, unbuffered, non-ECC, 1,600 MHz, PC3-12800, DIMM |
| **Hard disk notes** | Up to 20 GB of HDD space is reserved for system recovery<br>SSHD (Solid State Hard Disk, Hybrid drive)<br>SSD (Solid State Disk)<br>SED (Self-Encrypting Drive) |
| **Hard disk drives (internal)** | SSHD SATA III, 7,200 rpm, 1,000 GB, 3.5-inch |
| | SSHD SATA III, 5,400 rpm, 500 GB, 2.5-inch |
| | SSD SATA III, 256 GB, 2.5-inch |
| | SSD SATA III, 128 GB, 2.5-inch, SED |
| | SSD SATA III, 128 GB, 2.5-inch |
| | HDD SATA III, 7,200 rpm, 2,000 GB, 3.5-inch |
| | HDD SATA III, 7,200 rpm, 1,000 GB, 3.5-inch |
| | HDD SATA III, 7,200 rpm, 500 GB, 3.5-inch |
| | HDD SATA III, 7,200 rpm, 250 GB, 3.5-inch |
| | HDD SATA II, 5,400 rpm, 320 GB, 2.5-inch |
| **Graphics** | NVIDIA® NVS 300 LP, 512 MB |
| | NVIDIA® GeForce® GT630 DisplayPort 2GB LP, 2 GB |
| | NVIDIA® GeForce® 605 DisplayPort 1GB LP, 1 GB |
| | LFH59/ 2x DVI-I adapter cable |
| | LFH59/ 2x DP adapter cable |
| | DVI to VGA Adapter |
| | DP to DVI-D (single link) Adapter Cable |
| **Drives (optional)** | BD Triple Writer SATA slim (tray) |
| | DVD-ROM |
| | DVD Super Multi |
| | MultiCard Reader 24in1 USB 2.0 3.5" |

| Interface add on cards/components (optional) | |
|---|---|
| | WLAN III, 802.11g/Draft-n (Windows only, dedicated regions only, not for Indonesia) |
| | WLAN 802.11 abgn (2x2), (dedicated regions only, not for Indonesia) |
| | USB 3.0 PCIe x1 |
| | Gigabit Ethernet PCIe x1, DS |
| | Dual serial card PCIe x1 |

# Base unit

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|---|---|
| **Base unit** | ESPRIMO E410 E85+ |
| **Mainboard** | |
| **Mainboard type** | D3120 |
| **Formfactor** | µATX |
| **Chipset** | Intel® H61 |
| **Processor socket** | LGA 1155 |
| **Processor quantity maximum** | 1 |
| **Memory slots** | 2 DIMM (DDR3) |
| **Supported capacity RAM (max.)** | 16 GB |
| **Memory frequency** | 1,600 MHz |
| **Memory notes** | Dual channel support.<br>For dual channel performance, identical memory modules in each channel are necessary (minimum 2 modules). |
| **LAN** | 10/100/1,000 MBit/s Realtek RTL 8111E |
| **BIOS version** | AMI Aptio 4.6 |
| **BIOS features** | BIOS Flash EPROM update by software<br>Recovery BIOS<br>Unified Extensible Firmware Interface (UEFI) |
| **Audio codec** | Realtek ALC663 |
| **Audio features** | High Definition Audio, 5.1 surround sound |
| **I/O controller on board** | |
| **Serial ATA total** | 3 |
| **Controller functions** | Serial ATA II (3 Gbit)<br>NCQ<br>AHCI |
| **Interfaces** | |
| **Audio: line-in** | 1 |
| **Audio: line-in / microphone** | 1 |
| **Audio: line-out** | 1 |
| **Front audio: microphone** | 1 |
| **Front audio: headphone** | 1 |
| **USB 2.0 total** | 8 |
| **USB 3.0 total** | optional |
| **USB front** | 2 |
| **USB rear** | 4 |
| **USB internal** | 2 |
| **VGA** | 1 |
| **DVI** | 1 (DVI-D) |
| **Mouse / Keyboard (PS/2)** | 1/1 |
| **Ethernet (RJ-45)** | 1 |

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| **Input device / components** | |
| | Optical USB wheel mouse |
| **Input devices (optional)** | Optical USB/PS2 tilt wheel mouse<br>KBPC PX ECO<br>Mouse M440 ECO |
| **Drive bays** | |
| **Drive bays total** | 3 |
| **3.5-inch internal bays** | 1 |
| **3.5-inch external bays** | 1 |
| **5.25-inch external bays** | 1 |
| **Drive bay notes** | 3,5" bay can be used for 2,5" drives; optional external bay as internal 3,5"; |
| **Slots** | |
| **PCI-Express 2.0 x16** | 1 x (210 mm / 7.87 inch) Low profile |
| **PCI-Express x1** | 2 x (210 mm / 8.27 inch) Low profile |
| **Graphics on board** | |
| **Graphics brand name** | Intel® HD Graphics, HD Graphics 2000, HD Graphics 2500, HD Graphics 4000 (depending on CPU) |
| **Shared video memory** | up to 1,759 MB |
| **TFT resolution (VGA)** | 1,024 x 768 pixel<br>1,280 x 1,024 pixel<br>1,360 x 768 pixel<br>1,440 x 900 pixel<br>1,600 x 900 pixel<br>1,600 x 1,200 pixel<br>1,680 x 1,050 pixel<br>1,920 x 1,080 pixel<br>1,920 x 1,200 pixel |
| **TFT resolution (DVI)** | 1,280 x 1,024 pixel<br>1,360 x 768 pixel<br>1,440 x 900 pixel<br>1,600 x 900 pixel<br>1,680 x 1,050 pixel<br>1,920 x 1,080 pixel<br>1,920 x 1,200 pixel |
| **Graphics features** | Dual display support<br>DirectX® 10.1 or DirectX® 11 (depending on CPU)<br>HDCP support<br>Open GL® 3.3 (depending on CPU)<br>Open CL® 1.1 (depending on CPU) |
| **Graphics notes** | Tested resolutions, depending on display type additional resolutions and frequencies possible<br>Shared memory depending on main memory size and operating system<br>Resolution (color depth up to 32 Bit/pixel)<br>For TFT we recommend using 60Hz |
| **Electrical values** | |
| **Power efficiency note** | power supply efficiency (at 230V; 20% / 50% / 100% load) : 83% / 86% / 85% |
| | 0-Watt mode with hard-off switch |
| **Rated voltage range** | 100 V - 240 V |
| **Rated frequency range** | 50 Hz - 60 Hz |
| **Operating voltage range** | 90 V - 264 V |
| **Operating line frequency range** | 47 Hz - 63 Hz |
| **Max. output of single power supply** | 280 W |
| **Power factor correction/active power** | active |
| **Monitor outlet** | No |
| **Power consumption** | |
| **Power consumption note** | See white paper Energy Consumption |

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| **Power consumption** | |
| **Link to Energy White Paper** | http://docs.ts.fujitsu.com/dl.aspx?id=262534df-946f-4530-9948-f2f3fbe3764f |
| **Heat dissipation** | |
| **Heat dissipation notes** | See white paper Energy Consumption |
| **Noise emission** | |
| **Related Processors for noise** | Intel® Core™ i7 3770 |
| **Standard noise emission** | 2x2 GB, HDD, ODD, Windows<br>According to ISO 7779:2010, ECMA-74 |
| **Standard noise notes / description** | A-weighted sound power level Lwad (in B) / Workplace related A-weighted sound pressure level LpAm (in dB(A))<br>Bystander position |
| **Standard noise operation mode: CPU 50% load** | 3.4 B / 20 dB(A) Bystander; 22 dB(A) Operator position |
| **Standard noise operation mode: HDD load** | 3.5 B / 22 dB(A) Bystander; 25 dB(A) Operator position |
| **Standard noise operation mode: Idle mode** | 3.4 B / 20 dB(A) Bystander; 22 dB(A) Operator position |
| **Standard noise operation mode: ODD load** | 4.5 B / 30 dB(A) Bystander; 36 dB(A) Operator position |
| **Standard noise operation mode: Office applications 2.0** | 3.4 B / 20 dB(A) Bystander; 22 dB(A) Operator position |
| **Dimensions / Weight / Environmental** | |
| **Dimensions (W x D x H)** | 330 x 405 x 104 mm<br>13.0 x 15.95 x 4.1 inch |
| **Operating position** | horizontal / vertical (optional, feet needed) |
| **Weight** | 9 kg |
| **Weight (lbs)** | 20.22 lbs |
| **Weight notes** | Actual weight may vary depending on configuration |
| **Operating ambient temperature** | 10 - 35 °C (50 - 95 °F) |
| **Operating relative humidity** | 5 - 85 % (relative humidity) |
| **Compliance** | |
| **Product** | ESPRIMO E410 |
| **Model** | DTL2 |
| **Germany** | TÜV GS |
| **Europe** | CE |
| **USA/Canada** | FCC Class B<br>cCSAus |
| **Global** | RoHS (Restriction of hazardous substances)<br>WEEE (Waste electrical and electronic equipment)<br>Microsoft Operating Systems (HCT / HCL entry / WHQL)<br>ENERGY STAR® 5.0<br>EPEAT® Gold (dedicated regions) |
| **Compliance link** | http://globalsp.ts.fujitsu.com/sites/certificates |
| **Additional Software** | |
| **Additional software (preinstalled)** | Adobe® Reader® (pdf reader)<br>McAfee Multi Access Security (anti-virus and internet security software; 60 days trial version)<br>Win7: Fujitsu Recovery (hard disk based recovery)<br>Win8: Microsoft Push Button Recovery (hard disk based recovery)<br>Microsoft Office (buy license to activate the pre-installed Microsoft Office) |
| **Additional software (optional)** | Recovery DVD for Windows®<br>Drivers & Utilities DVD (DUDVD)<br>CyberLink PowerDVD BD (playback software for Blu-ray Disc™)<br>CyberLink PowerDVD DVD (playback software for DVD)<br>Nero Essentials XL |

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| **Manageability** | |
| **Manageability technology** | DeskUpdate Driver management<br>PXE 2.1 Boot code<br>Wake up from S5 (off mode)<br>WoL (Wake on LAN) |
| **Supported standards** | DMI<br>PXE<br>WMI |
| **Security** | |
| **Physical Security** | Kensington Lock support<br>Eye for padlock |
| **System and BIOS Security** | Boot sector virus protection<br>Control of external interfaces |
| **User Security** | User and supervisor BIOS password<br>Hard disk password<br>Access protection via external SmartCard reader (optional)<br>Access protection via internal SmartCard reader (optional) |
| **Miscellaneous** | |
| **Packaging information** | |
| **Packaging dimension (mm)** | 500 x 290 x 540 mm |
| **Packaging dimension (inch)** | 19.69 x 11.42 x 21.26 inch |
| **Max. quantity / pallet** | 28 |
| **Material - Weight (g) Carton** | 1140 g |
| **Material - Weight (lbs) Carton** | 2.51 lbs |
| **Material - Weight (g) EPS / PS** | 180 g |
| **Material - Weight (lbs) EPS / PS** | 0.4 lbs |
| **Material - Weight (g) PE** | 60 g |
| **Material - Weight (lbs) PE** | 0.13 lbs |
| **Packaging notes** | printed user documentation is bleached in chlorine free process |
| **Warranty** | |
| **Standard Warranty** | 1 year (depending on country) |
| **Service level** | Bring-In / Onsite Service (for countries within region FTS CEMEA&I, for all other countries depending on local regulations, minimum: 1 year material warranty) |
| **Warranty Terms & Conditions** | http://support.ts.fujitsu.com/warranty |
| **Maintenance and Support Services - the perfect extension** | |
| **Recommended Service** | 9x5, Response Time: Next Business Day |
| **Spare Parts availability** | 3 years after end of product life |
| **Service Weblink** | http://www.fujitsu.com/fts/services/support |

# Recommended Accessories

**Mouse M440 ECO**

Fujitsu Mouse M440 ECO is made from 100% bio material and has a completely PVC free cable. The elegant M440 ECO works on nearly every surface and follows all your hand movements smoothly and precisely. It features two main buttons and as well as a scroll wheel providing comfortable computing to both right and left-handed users.

Order Code:
S26381-K450-L200

**SOUNDSYSTEM DS E2000 Air**

The new more powerful SOUNDSYSTEM DS E2000 Air gives you impressive, well-balanced sound throughout the frequency band. It is an unbeatable USB speaker set with a surprisingly small form factor. The robust satellite speakers are decorated with a deluxe piano finish and the base is adorned with warm ambient lighting.

Order Code:
S26391-F7128-L600

**UC&C USB Headset Stereo H650e**

The UC&C USB Headset Stereo H650e is the ultimate in style and functionality. Long, uncomfortable work calls are a thing of the past thanks to the cushioned ear pads and crystal clear sound. Adjustable headband and microphone provides the perfect fit for everyone. Optimized for Microsoft® Lync™ the headset displays a red 'in-call' LED to let your co-workers know when you're available, thus helping to boost office productivity.

Order Code: S26391-F7139-L10

**Busylight UC Lync**

Boost communication and productivity in the office with the Busylight. The genius of this device is that it both advertises your present working state and promotes the use of Lync, making your office more efficient. Perfect for the work environment in open-plan offices, the Busylight makes users feel comfortable with Lync's features and eases the transition from traditional office internal telephone systems.

Order Code: S26391-F7139-L30

**HS E2000 Communicator Headset**

The Fujitsu HS E2000 Communicator headset allows you to use your personal computer for Voice over IP (VoIP) in stereo audio quality. This premium headset is designed to provide superb audio quality and comfort for the telephony, internet chat, speech recognition, video conferencing and multimedia applications.

Order Code: S26391-F7139-L5

**Keyboard KBPC PX ECO**

Fujitsu's KBPC PX ECO keyboard is the perfect contribution to Green IT. The keyboard is made out of 45% renewable raw material and comes with a PVC free USB cable. In addition, the KBPC PX ECO offers first class comfort and ergonomics. It attracts attention with its impressive modern design and useful extras.

S26381-K341-L1** (**: country specific variation)

Fujitsu recommends Windows 8 Pro.

# More information

## Fujitsu OPTIMIZATION Services

In addition to Fujitsu ESPRIMO E410 E85+, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

**Fujitsu Portfolio**
Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

**Computing Products**
www.fujitsu.com/global/services/computing/

**Software**
www.fujitsu.com/software/

## More information

Learn more about Fujitsu ESPRIMO E410 E85+, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/fts/ESPRIMO

## Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment.
Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT.
Please find further information at http://www.fujitsu.com/global/about/environment

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